

NunyaOS

Week 4



Updates

- Toolchain: JIRA open source license in; Travis deploy through SSH key
- Window: API pull request merged; PS/2 mouse interface skeleton
- Memory: demand paging done; memory request policy design
- FS: isofs open/read/close interface done



Window Management

- Merged window.h API
- Building skeleton PS/2 interface for mouse support
 - This somehow corrupts freemap and change its data from 0xFF to 0x00
- Designing window hierarchy
 - Investigating performance improvements to bounds calculations



Memory Management

- Finished demand paging fault handler
- 0x001A0000 bug back! Investigating
- Researching user mode & emulating user program behavior



File System

- Finished iso_f[open | read | close] interface
- Lost man hours to developing mock ata interface
- Investigating an ata error causing page fault at 0x200fffe



Future Plan

- Continue developing mouse support through PS/2
- Add graphics buffer support
- Develop default window drawing behavior for borders & titles
- Investigate getting reserved memory space through BIOS
- Investigate entering user mode and loading programs
- Continue developing isofs interface, try to bring up to syscall interface



Questions

- Alex: PS/2 not working
- Ryan: why is ATA_STATUS both ready and error
 - breaking iso read

